

Human sE-Selectin ELISA Kit | SELE elisa kit

Human sE-Selectin PicoKine ELISA Kit

CATALOG #
AAA45278

REACTIVITY
Human

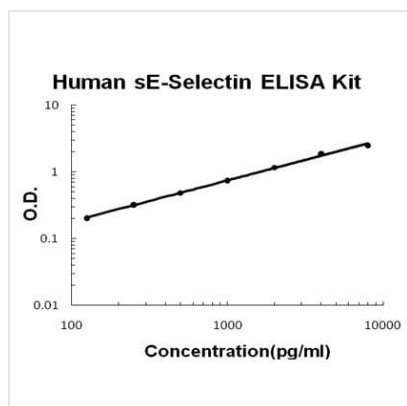
PRODUCT SYNONYMS

sE-Selectin; Human sE-Selectin PicoKine ELISA Kit; E-selectin; selectin E; CD62 antigen-like family member E; CD62E; CD62E antigen; E selectin; ELAM; ELAM-1; ELAM1; Endothelial leukocyte adhesion molecule 1; ESEL; LECAM2; Leukocyte endothelial cell adhesion molecule 2; Leukocyte-endothelial cell adhesion molecule 2; LYAM2_HUMAN; sele; SELE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human sE-Selectin
Sequence Length	610
Samples	Cell culture supernates, serum and plasma (heparin, citrate)
Assay Type	Sandwich
Detection Range	125pg/ml-8000pg/ml
Sensitivity	< 4pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human sE-Selectin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for SELE elisa kit

Principle of the assay: human sE-Selectin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for sE-Selectin has been precoated onto 96-well plates. Standards(NSO, W22-P556) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for sE-Selectin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human sE-Selectin amount of sample captured in plate.

Background: E-selectin, also called endothelial-leukocyte adhesion molecule-1 (ELAM-1), is a cell surface glycoprotein expressed by cytokine-activated endothelium that mediates the adhesion of blood neutrophils.¹ An increased expression of E-selectin has been observed in the arterial endothelium interacting with lymphocytes and macrophages in human atherosclerotic lesions.² E-selectin plays a critical role in mediating tissue-specific homing of T cells into skin, and of primitive hematopoietic progenitor cells (HPCs) into bone marrow (BM).³ A structurally and functionally related group of genes, lymph node homing receptor (LHR), granule membrane protein 140 (GMP-140), and endothelial leukocyte adhesion molecule 1 (ELAM-1) are shown to constitute a gene cluster on mouse and human chromosome 1.⁴ The standard product used in this kit is recombinant human sE-Selectin, excluding intercellular sE-Selectin and transmembrane domain. It consists of totally 535 amino acids with the molecular mass of 58.6KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	126180
NCBI GeneID	6401
UniProt Accession #	P16581; P16111; A2RRD6
Molecular Weight	66,655 Da
NCBI Official Full Name	E-selectin
NCBI Official Synonym Full Names	selectin E
NCBI Official Symbol	SELE
NCBI Official Synonym Symbols	ELAM; ESEL; CD62E; ELAM1; LECAM2
NCBI Protein Information	E-selectin; ELAM-1; endothelial adhesion molecule 1; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2; leukocyte-endothelial cell adhesion molecule 2
UniProt Protein Name	E-selectin
UniProt Gene Name	SELE
UniProt Synonym Gene Names	ELAM1; ELAM-1; LECAM2
UniProt Entry Name	LYAM2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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